



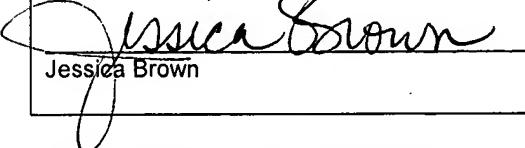
10/623,426

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## CERTIFICATE OF MAILING

I hereby certify that on March 8, 2006, which is the date I am signing this certificate, I am depositing this correspondence the United States Postal Service, first class mail, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Jessica Brown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Applicant:** MARMARELIS, VASILIS Z., et al.

**Serial No.:** 10/623,426

**Filed:** July 18, 2003

**Title:** OPTIMIZATION OF THE EXCITATION WAVEFORM FOR TRANSMIT-RECEIVE SYSTEMS

**Atty. Docket No.** 064693-0074

**Examiner:** IMAM, Ali M.

**Group Art Unit:** 3737

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. § 1.56**

Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, Applicant brings the references listed on the attached Form PTO-1449 to the examiner's attention. 37 C.F.R. § 1.56. These references may be material to examination of the above-identified application. Please do not construe the filing of this information disclosure statement as a representation that applicant has made a search (37 C.F.R. § 1.97(g)), or as an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. We are enclosing copies of the cited non-US patent documents and of the non-patent documents.

This Information Disclosure Statement is being submitted:

- 1. Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office action on the merits, and therefore, Applicant believes no fee is required;
- 2. After the period specified in paragraph (1) hereinabove of this section, but is being filed before the mailing date of either a final action under 37 CFR 1.113, or a notice of allowance under 37 CFR 1.311, or an action that otherwise closes prosecution in the application, and is accompanied by one of the following:
  - (a) A statement that either:

(i) Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement;

OR

(ii) No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement;

OR

(b) The fee of \$180 for filing of an Information Disclosure Statement as set forth in 37 C.F.R. 1.17(p).

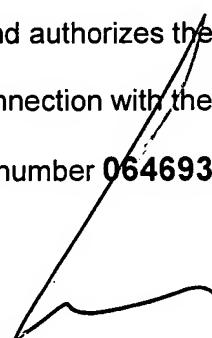
3. After the period specified in paragraph (2) of this section, but is filed on or before payment of the issue fee and is accompanied by a Request for Continued Examination and authorization to charge the appropriate RCE fee.

Applicant would appreciate the Examiner initialing and signing a copy of Form PTO-1449, transmitted herewith, indicating that the information has been considered and made of record herein.

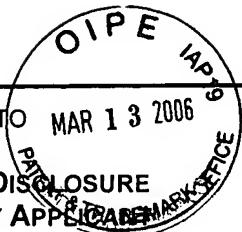
In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, Applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to

**Deposit Account No. 501946 referencing order number 064693-0074.**

March 8, 2006

  
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Substitute for form 1449A/PTO MAR 13 2006  
**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
 (use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 064693-0074

Complete if Known	
Application Number	10/623,426
Filing Date	July 18, 2003
First Named Inventor	MARMARELIS, VASILIS Z., et al.
Art Unit	3737
Examiner Name	IMAM, Ali M.

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number -Kind Code <sup>2</sup> (if known)	Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	1	US-4,881,549	11-21-1989	RHYNE et al.
	2	US-5,720,290	02-24-1998	BUHLER et al.
	3	US-5,891,038	04-06-1999	SEYED-BOLORFOROSH et al.
	4	US-6,063,033	05-16-2000	HAIDER et al.
	5	US-6,213,934	04-10-2001	BIANCO et al.
	6	US-6,086,536	07-11-2000	GOLL et al.
	7	US-6,312,379	11-06-2001	BRADLEY et al.
	8	US-6,371,916	04-16-2002	BUHLER et al.
	9	US-6,375,618	04-23-2002	CHIAO et al.
	10	US-6,427,079	07-30-2002	SCHNEIDER et al.

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	11	EP1146351 A1	10-17-2001	Bracco Research S.A. (CH)	N/A

### U.S. PUBLISHED PATENT APPLICATIONS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number -Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	12	US 2002/0095087	07-18-2000	MOURAD et al.
	13	US2003/0154062	08-14-2003	DAFT et al.
	14	US2004/0035190	02-26-2004	SINHA
	15	US2004/0039283	02-26-2004	BANJANIN et al.

### OTHER PRIOR ART – NONPATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	16	MARMARELIS, VASILIS Z., "Modeling Methodology for Nonlinear Physiological Systems," <i>Analys of Biomedical Engineering</i> , Vol. 25 1997, pp. 239-251.	
	17	KIM Tae-Song et al., "Nonlinear Modeling of Ultrasonic Transmit-Receive System Using Laguerre-Volterra Networks," <i>SPIE International Symposium on Medical Imaging</i> , San Diego, Ca February 2003.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.